

# Patent [19]

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## [54] ODOR DETECTING DEVICE AND AIR CLEANING DEVICE

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## [57] ABSTRACT

**PROBLEM TO BE SOLVED:** To provide an odor detecting device capable of accurately detecting odor and an air cleaning device provided with the same.

**SOLUTION:** An air cleaning device has a deodorizing function by a photocatalyst and determines the degree of odor by an odor detecting device. A hydrogen gas generated together with the smoke of a cigarette is detected by a gas sensor. On the basis of this detection signal, the level GL of odor is determined by a level value (step S3). On the basis of a dust sensor, whether the level GL of odor is corrected or not is determined (step S5). According to the results of the determination, correction is performed (step S6), or correction is omitted. By this, this air cleaning device is most favorable as an air cleaning device with a deodorizing function.

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